

CHAPTER 69-06-08

CRITERIA

Section

69-06-08-01 Energy Conversion Facility Siting Criteria

69-06-08-02 Transmission Facility Corridor and Route Criteria

69-06-08-01. Energy conversion facility siting criteria.

The following criteria must guide and govern the preparation of the inventory of exclusion and avoidance areas, and the site suitability evaluation process.

1. **Exclusion areas.** The following geographical areas must be excluded in the consideration of a site for an energy conversion facility.
 - a. Designated or registered national: parks; memorial parks; historic sites and landmarks; natural landmarks; historic districts; monuments; wilderness areas; wildlife areas; wild, scenic, or recreational rivers; wildlife refuges; and grasslands.
 - b. Designated or registered state: parks; forests; forest management lands; historic sites; monuments; historical markers; archaeological sites; grasslands; wild, scenic, or recreational rivers; game refuges; game management areas; management areas; and nature preserves.
 - c. County parks and recreational areas; municipal parks; parks owned or administered by other governmental subdivisions; hardwood draws; and enrolled woodlands.
 - d. Prime farmland and unique farmland, as defined by the land

inventory and monitoring division of the soil conservation service, United States department of agriculture, in 7 C.F.R. part 657; provided, however, that if the commission finds that the prime farmland and unique farmland that will be removed from use for the life of the facility is of such small acreage as to be of negligible impact on agricultural productions, this exclusion does not apply.

- e. Irrigated land.
- f. Areas critical to the life stages of threatened or endangered animal or plant species.
- g. Areas where animal or plant species that are unique or rare to this state would be irreversibly damaged.
- h. Areas within one thousand two hundred feet of the geographic center of an intercontinental ballistic missile (ICBM) launch or launch control facility.

2. **Additional exclusion areas for wind energy conversion facilities.** The following geographical areas must be excluded in the consideration of a site for a wind energy conversion facility:

- a. Areas less than:
 - (1) One and one-tenth times the height of the turbine from interstate or state roadway right of way;
 - (2) One and one-tenth times the height of the turbine plus seventy-five feet from the centerline of any county or maintained township roadway;

- (3) One and one-tenth times the height of the turbine from any railroad right of way;
- (4) One and one-tenth times the height of the turbine from a one hundred fifteen kilovolt or higher transmission line; and
- (5) One and one-tenth times the height of the turbine from the property line of a nonparticipating landowner, unless a variance is granted. A variance may be granted if an authorized representative or agent of the permittee and affected parties with associated wind rights file a written agreement expressing all parties' support for a variance to reduce the setback requirement in this subsection. A nonparticipating landowner is a landowner that has not signed a wind option or an easement agreement with the permittee of the wind energy conversion facility as defined in North Dakota Century Code chapter 17-04.

3. **Avoidance areas.** The following geographical areas may not be approved as a site for an energy conversion facility unless the applicant shows that under the circumstances there is no reasonable alternative. In determining whether an avoidance area should be designated for a facility the commission may consider, among other things, the proposed management of adverse impacts; the orderly siting of facilities; system reliability and integrity; the efficient use of resources; and alternative sites. Economic considerations alone will not justify approval of these areas. A

buffer zone of a reasonable width to protect the integrity of the area must be included. Natural screening may be considered in determining the width of the buffer zone.

- a. Historical resources which are not designated as exclusion areas.
- b. Areas within the city limits of a city or the boundaries of a military installation.
- c. Areas within known floodplains as defined by the geographical boundaries of the hundred-year flood.
- d. Areas that are geologically unstable.
- e. Woodlands and wetlands.
- f. Areas of recreational significance which are not designated as exclusion areas.

- 4. **Additional avoidance areas for wind energy conversion facilities.** A wind energy conversion facility site must not include a geographic area where, due to operation of the facility, the sound levels within one hundred feet of an inhabited residence or a community building will exceed fifty dBA. The sound level avoidance area criteria may be waived in writing by the owner of the occupied residence or the community building.
- 5. **Selection criteria.** A site may be approved in an area only when it is demonstrated to the commission by the applicant that any significant adverse effects resulting from the location, construction, and operation of the facility in that area as they relate to the following, will be at an

acceptable minimum, or that those effects will be managed and maintained at an acceptable minimum. The effects to be considered include:

- a. The impact upon agriculture:
 - (1) Agricultural production.
 - (2) Family farms and ranches.
 - (3) Land which the owner demonstrates has soil, topography, drainage, and an available water supply that cause the land to be economically suitable for irrigation.
 - (4) Surface drainage patterns and ground water flow patterns.
 - (5) The agricultural quality of the cropland.
- b. The impact upon the availability and adequacy of:
 - (1) Law enforcement.
 - (2) School systems and education programs.
 - (3) Governmental services and facilities.
 - (4) General and mental health care facilities.
 - (5) Recreational programs and facilities.
 - (6) Transportation facilities and networks.
 - (7) Retail service facilities.
 - (8) Utility services.
- c. The impact upon:
 - (1) Local institutions.
 - (2) Noise or light-sensitive land uses.

- (3) Rural residences and businesses.
 - (4) Aquifers.
 - (5) Human health and safety.
 - (6) Animal health and safety.
 - (7) Plant life.
 - (8) Temporary and permanent housing.
 - (9) Temporary and permanent skilled and unskilled labor.
 - d. The cumulative effects of the location of the facility in relation to existing and planned facilities and other industrial development.
6. **Policy criteria.** The commission may give preference to an applicant that will maximize benefits that result from the adoption of the following policies and practices, and in a proper case may require the adoption of such policies and practices. The commission may also give preference to an applicant that will maximize interstate benefits. The benefits to be considered include:
- a. Recycling of the conversion byproducts and effluents.
 - b. Energy conservation through location, process, and design.
 - c. Training and utilization of available labor in this state for the general and specialized skills required.
 - d. Use of a primary energy source or raw material located within the state.
 - e. Not relocating residents.
 - f. The dedication of an area adjacent to the facility to land uses such

as recreation, agriculture, or wildlife management.

- g. Economies of construction and operation.
- h. Secondary uses of appropriate associated facilities for recreation and the enhancement of wildlife.
- i. Use of citizen coordinating committees.
- j. A commitment of a portion of the energy produced for use in this state.
- k. Labor relations.
- l. The coordination of facilities.
- m. Monitoring of impacts.
- n. A commitment to install aircraft detection and lighting systems for wind energy conversion facilities subject to Federal Aviation Administration approval.

History: Amended effective August 1, 1979; July 1, 2006; April 1, 2013;_____.

General Authority: NDCC 49-22-18

Law Implemented: NDCC 49-22-05.1

69-09-02-35. Installation and maintenance - Conformance to National Electrical Safety Code.

The installation and maintenance of electric supply and communication lines shall conform to rules and regulations established in the ~~2012~~ 2017 edition of the National Electrical Safety Code which is adopted by reference. Copies of these regulations may be obtained from the public service commission, state capitol, Bismarck, North Dakota 58505-0480.

History: Amended effective September 1, 1984; January 1, 1988; December 1, 1990; August 1, 1993; July 1, 1997; March 1, 2003; July 1, 2008; April 1, 2013;_____.

General Authority: NDCC 49-02-04

69-06-08, 69-09-02-35 Rule Changes
PSC Case No. PU-16-775

Law Implemented: NDCC 49-02-04, 49-20-02